

CLAIM AMENDMENTS

1-18 (canceled)

19. (new) A vibration damper comprising:

a body part via which the damper can be fastened to an object to be dampened, the body part defining an interior space, a guide shaft disposed in the interior space of the body part,

an oscillating piece comprising a plurality of parts removably fastened to each other, the oscillating piece being disposed in the interior space of the body part, whereby the oscillating piece divides the interior space of the body part into two regions, at opposite sides respectively of the oscillating piece, and the oscillating piece being movable relative to the body part, movement of the oscillating piece being guided by the guide shaft, and

at least one spring fastening the oscillating piece to the body part,

and wherein the guide shaft comprises a wall defining an interior space of the guide shaft, and the wall of the guide shaft is formed with openings for forming a flow connection between the interior space of the guide shaft and the two regions of the interior space of the body part.

20. (new) A damper according to claim 19, wherein the oscillating piece comprises two end pieces and a number of intermediate pieces between the two end pieces.

21. (new) A damper according to claim 20, comprising bearings for the oscillating piece arranged in connection with the two end pieces.

22. (new) A damper according to claim 20, wherein the intermediate pieces comprise adjusting discs and support sleeves.

23. (new) A damper according to claim 19, wherein the oscillating piece is essentially cylindrical in form, having a longitudinal axis, and defines a through-hole parallel with the longitudinal axis.

24. (new) A damper according to claim 19, wherein the body part comprises first and second end walls bounding the interior space of the body part, the interior space of the body part is cylindrical, having a central axis, the guide shaft is disposed on the central axis of the cylindrical space, and the openings formed in the wall of the guide shaft are adjacent opposite respective ends of the guide shaft.

25. (new) A damper according to claim 24, comprising springs supporting the oscillating piece relative to the first and second end walls.

26. (new) A damper according to claim 24, comprising first and second axially aligned coil springs, disposed in the two regions respectively of the interior space of the body part, supporting the oscillating piece relative to the first and second end walls.

27. (new) A damper according to claim 19, comprising an adjuster for adjusting the flow connection between the interior space of the guide shaft and the interior space of the body part.

28. (new) A piston engine comprising a vibration damper as defined in claim 19.

29. (new) A piston engine according to claim 28, comprising at least one auxiliary device and wherein the vibration damper is attached to the auxiliary device.

30. (new) A piston engine according to claim 29, wherein the engine includes a system for circulation of heat transfer fluid and the system for circulation of heat transfer fluid is in flow connection with the vibration damper for controlling the temperature of the vibration damper.